

Flowchart illustrating the synthesis of n-Nonyl-RANTES (folded):

- Starting Materials:**
 - HS-Ac-Leu(PS)
 - Boc-Ser68(PS)
- Step 1:** 32 Cycles SPPS
 - From HS-Ac-Leu(PS) → RANTES(2-33)-S-Ac-Leu(PS)
 - From Boc-Ser68(PS) → RANTES(35-68)-COOH
- Step 2:** Couple 1-bromo-nonyl to N-terminus
 - From RANTES(2-33)-S-Ac-Leu(PS) → RANTES(2-33)-S-Ac-Leu(PS) (with 1-bromo-nonyl at N-terminus)
 - From RANTES(35-68)-COOH → RANTES(35-68)-COOH (with 1-bromo-nonyl at N-terminus)
- Step 3:** HF Cleavage and HPLC Purification
 - From RANTES(2-33)-S-Ac-Leu(PS) → RANTES(2-33)-S-Ac-Leu
 - From RANTES(35-68)-COOH → RANTES(35-68)-COOH
- Step 4:** Chemical ligation of fully unprotected modules and HPLC Purification
 - From RANTES(2-33)-S-Ac-Leu and RANTES(35-68)-COOH → n-Nonyl-RANTES (reduced)
- Step 5:** Folding & HPLC Purification
 - From n-Nonyl-RANTES (reduced) → n-Nonyl-RANTES (folded)

FIGURE 1

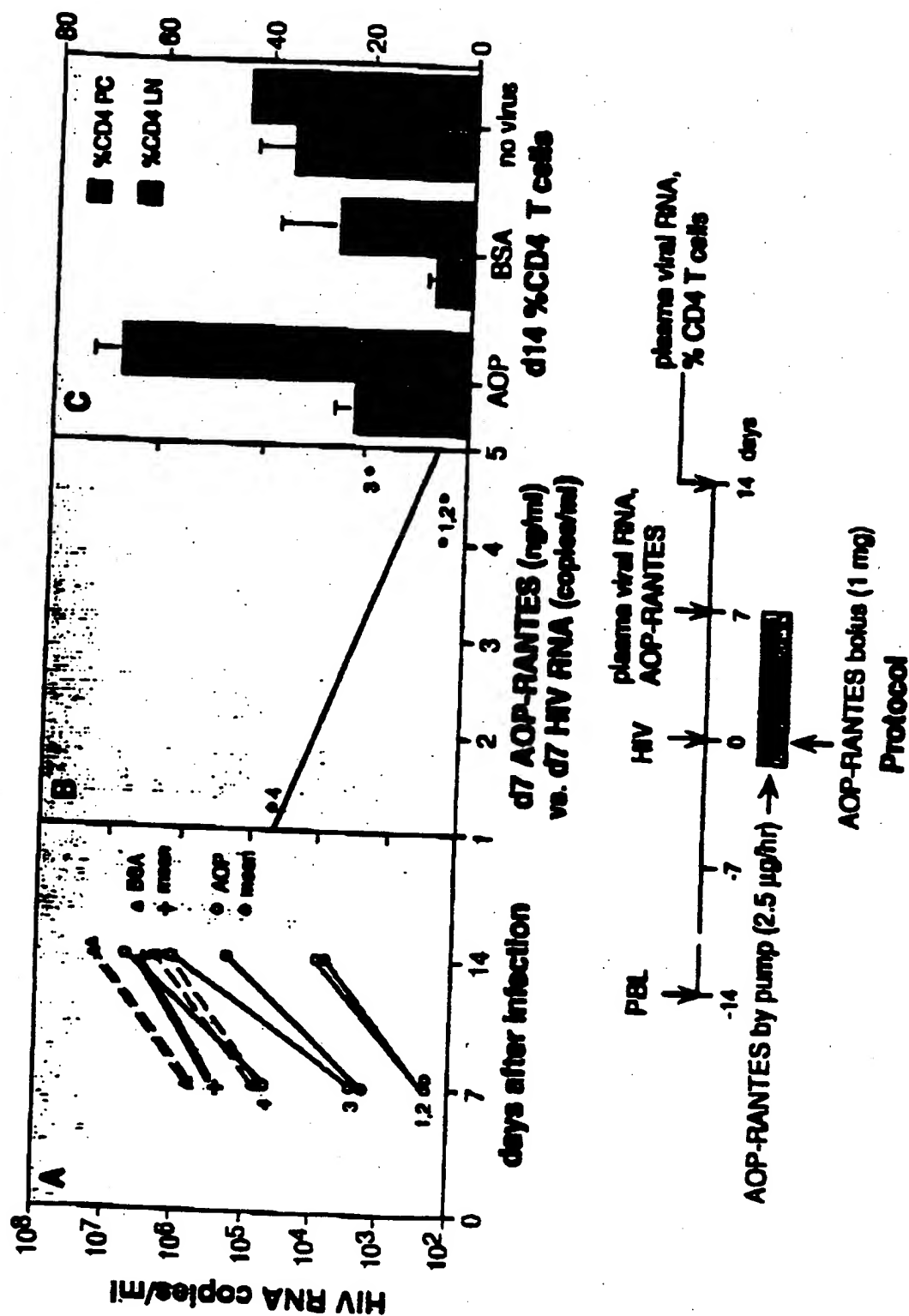


FIGURE 2

[illegible]

FIGURE 3

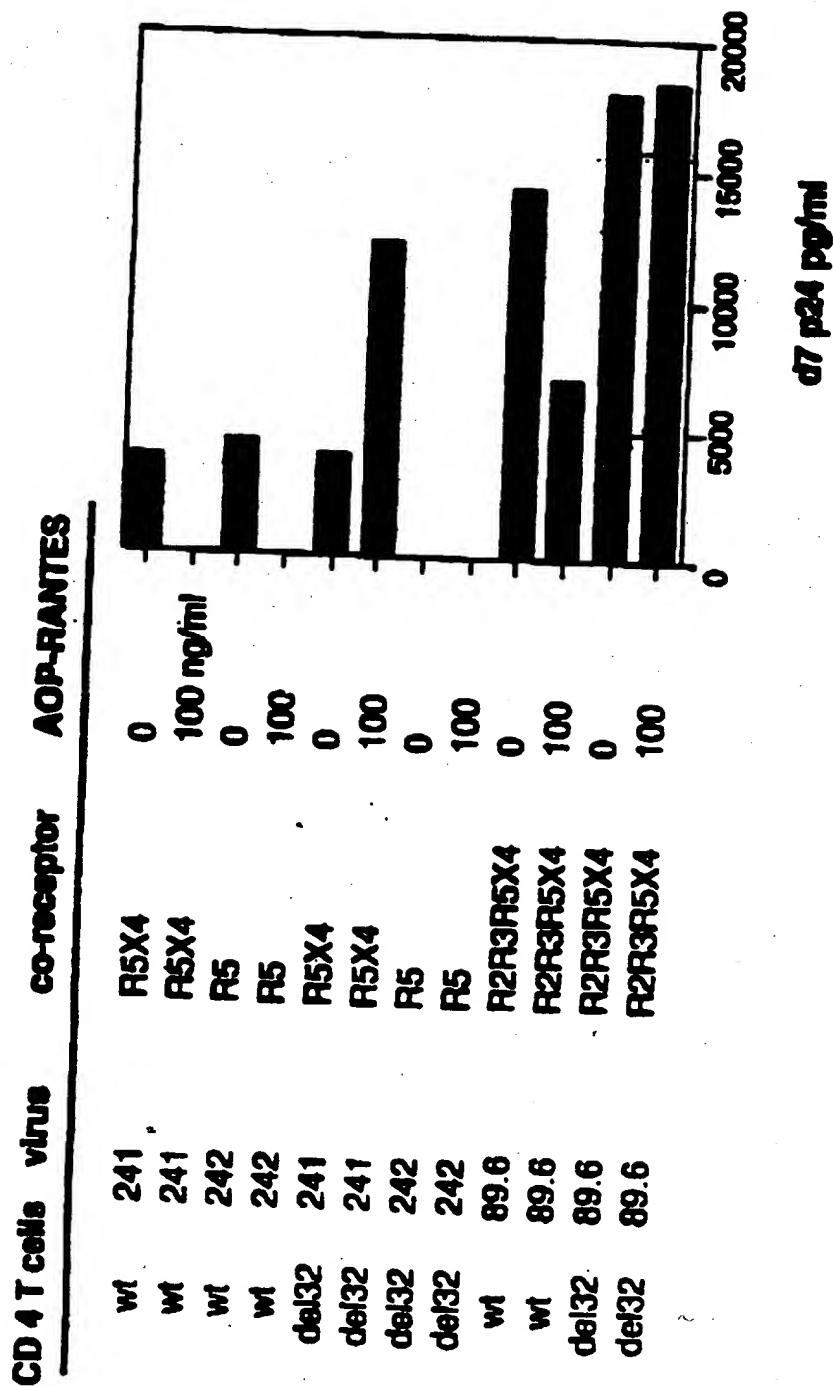


FIGURE 4

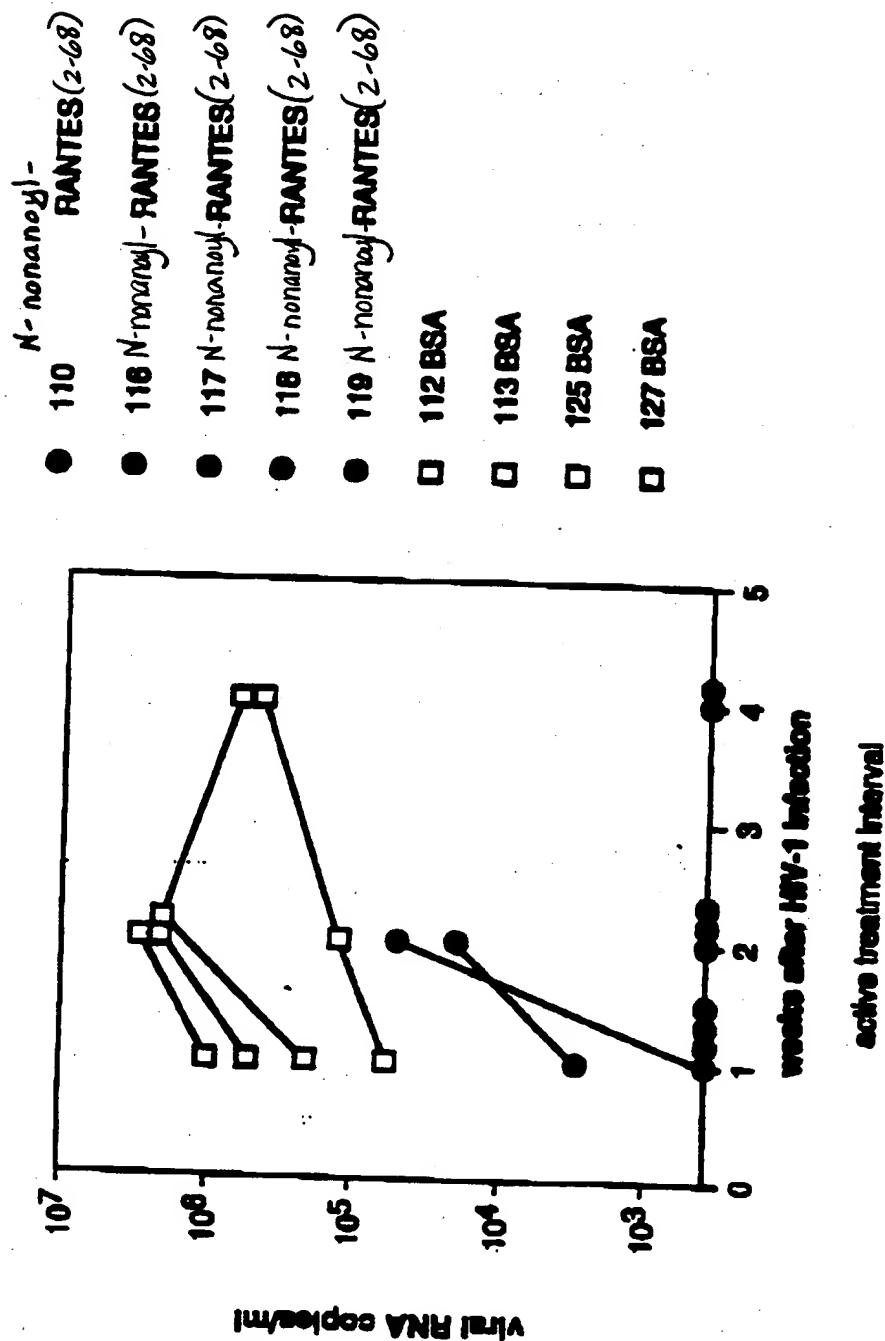


FIGURE 6

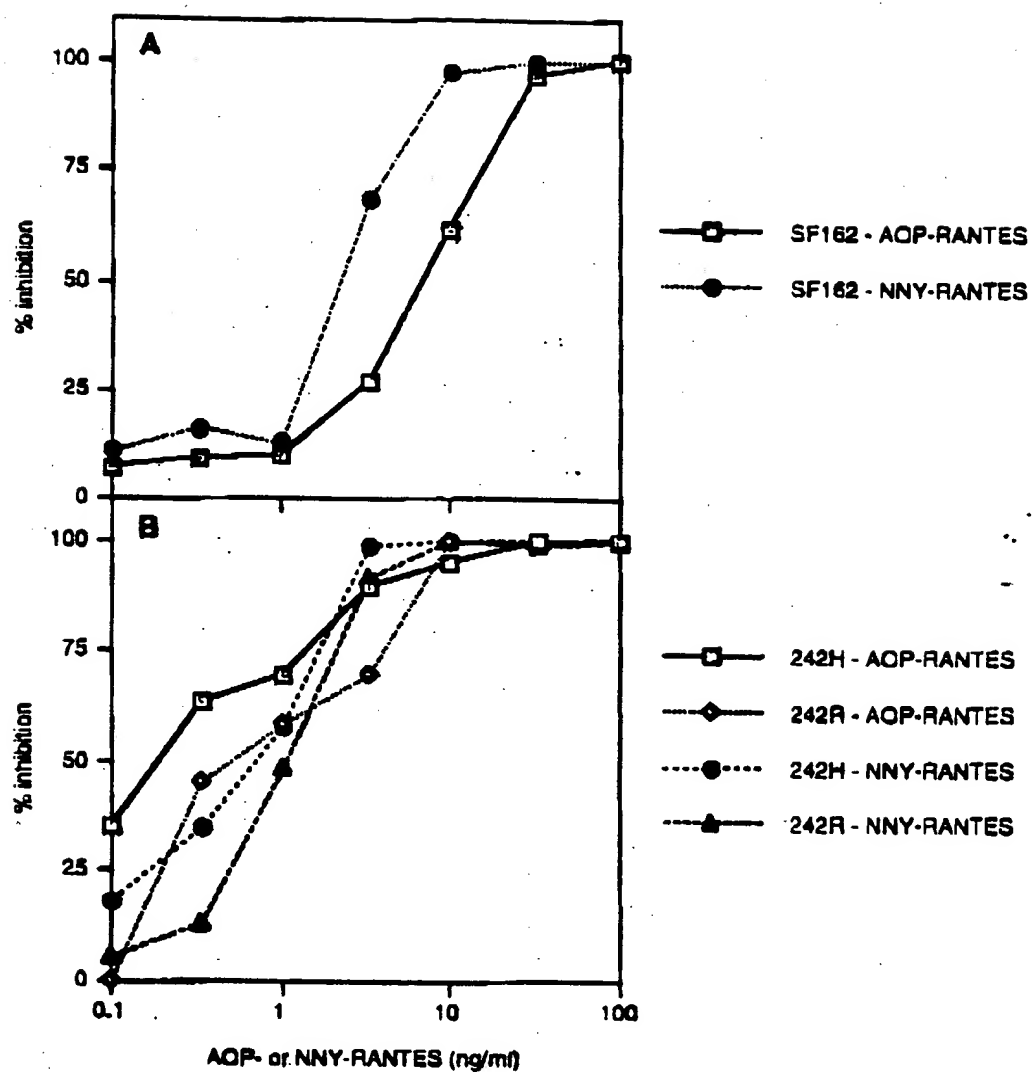


FIGURE 7

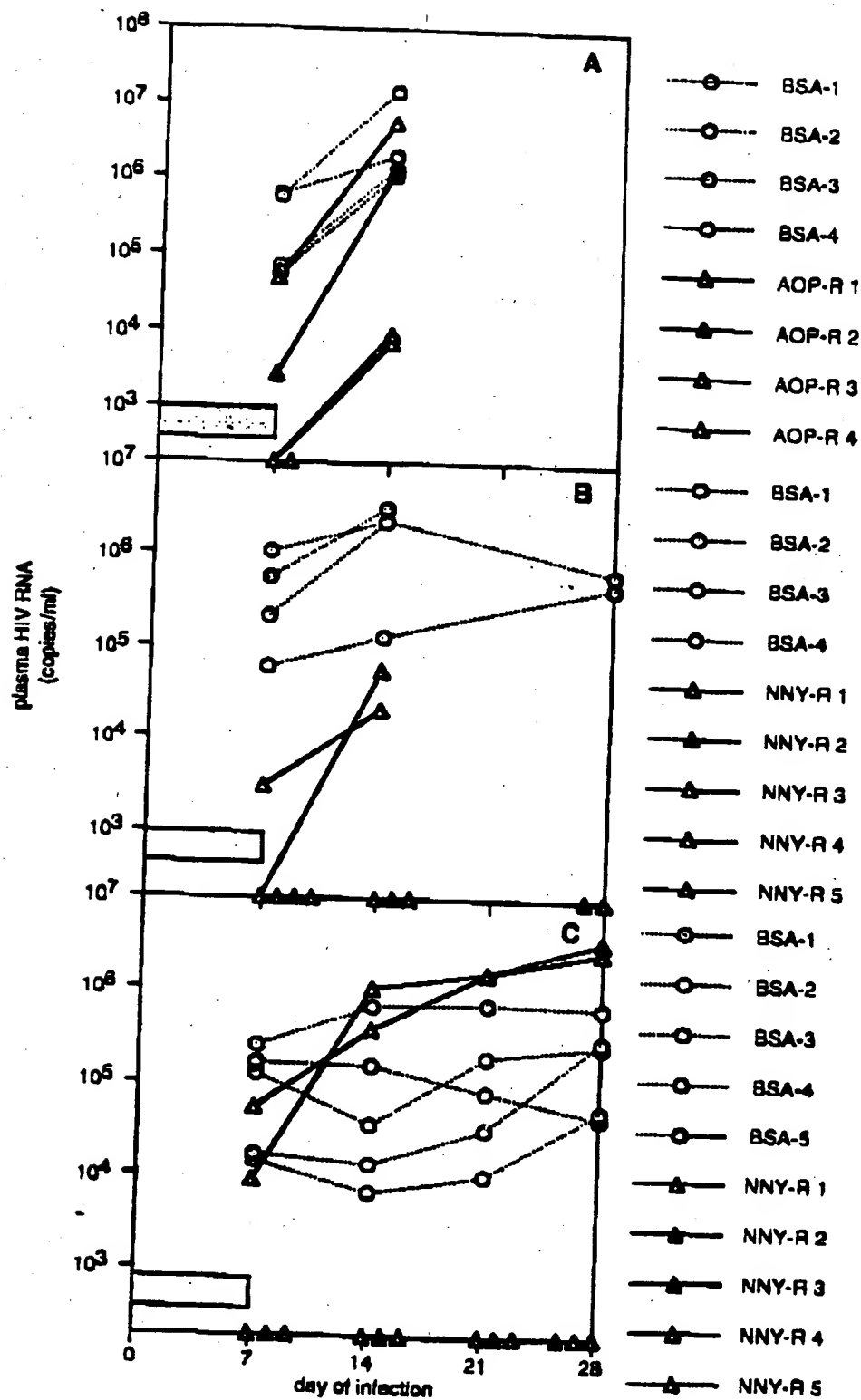


FIGURE 8